

About the IBM Software Development Platform

Highlights

- ***Provides comprehensive products and proven best practices to help teams discover, develop and deploy software assets***
- ***Automates and integrates the business process of software development, helping organizations differentiate their business performance***
- ***Provides a modular and scalable application development environment to meet your evolving needs***



Software: Key to an on demand world

Today's on demand enterprise thrives on continuous business differentiation. To help achieve this differentiation, organizations are increasingly leveraging the power of software. Whether applied to an existing system, packaged application or new project, software development allows organizations to codify their business knowledge and set their products and services apart from the competition.

A proven platform for success

For organizations that recognize the critical link between better software and better business, IBM offers a proven foundation: the IBM Software Development Platform. This modular and complete solution enables teams to discover, develop and deploy software assets in business applications, embedded systems and software products. The result: differentiated business performance.

The IBM Software Development Platform spans Microsoft® Windows®, UNIX®, Linux® and mainframe platforms and supports a wide spectrum of programming languages, integrated development environments (IDEs) and more than 100 cross-development environments for system developers

working in real-time and embedded environments. Combining core products with dozens of extensions, the IBM Software Development Platform allows you to choose the optimal solution for your team and technology environment.

The IBM Software Development Platform is:

- ***Complete.*** It supports your entire development team.
- ***Open and extensible.*** You can leverage existing assets and partner technologies.
- ***Modular.*** You choose the exact tools and adoption path that best fits your needs.
- ***Integrated.*** It provides shared access to common tools, artifacts and processes.
- ***Proven.*** It is based on tools and best practices used by thousands of software teams.

The Eclipse advantage

The IBM Software Development Platform is built on a foundation that enables unprecedented automation and integration throughout the development life cycle: the Eclipse open source platform. With Eclipse at its core, the IBM Software Development Platform is supported by a community of partners and enriched by a vibrant tools and services ecosystem.

Products

Requirements and Analysis

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| IBM Rational® RequisitePro® | Maintain project focus by documenting, controlling and communicating the changing requirements |
| IBM Rational Software Modeler | Visually model systems and applications using Unified Modeling Language (UML) notation |
| IBM Rational Rose® Data Modeler | Design and model database schema to support your enterprise architecture |
| IBM WebSphere® Business Integration Modeler | Define, model, analyze, simulate and report business processes, and extend IBM WebSphere MQ Workflow with business tools to visualize process impact |
| IBM WebSphere Business Integration Monitor | Monitor business processes—in real time and using visual dashboards—for improved business decision-making |
| IBM WebSphere Studio Asset Analyzer | Maintain and extend existing assets through impact analysis and enhanced application understanding |

Design and Construction

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| IBM DB2® Information Integrator | Develop integrated, real-time access to diverse distributed information |
| IBM Lotus® Domino® Designer | Rapidly create multiplatform applications to automate business processes and increase workflow efficiency |
| IBM Lotus Enterprise Integrator for Domino | Provide real-time data access, bi-directional data movement, exchange, transformation and synchronization between applications and data sources |
| IBM Rational Application Developer for WebSphere Software | Quickly design, develop, analyze, test, profile and deploy Web, Web services, Java™, J2EE™ and Portal applications with a comprehensive Eclipse-based IDE that is optimized for IBM WebSphere software and provides capabilities for development on other technology platforms |
| IBM Rational Rose Technical Developer | Develop complex Java, C/C++ and embedded software using model-driven development techniques |
| IBM Rational Software Architect | Unify architecture, design and development with one tool |
| IBM Rational Suite® Development Studio for UNIX | Implement a full life-cycle solution for building software on UNIX platforms |
| IBM Rational Suite for Technical Developers | Implement a full life-cycle solution for building complex software for real-time and pervasive devices |
| IBM Rational Web Developer for WebSphere Software | Build, test and deploy Web, Web services and Java applications with an easy-to-use IDE that is optimized for IBM WebSphere software and provides capabilities for development on other technology platforms |
| IBM WebSphere Development Studio for iSeries | Create Web and J2EE applications with an advanced IDE for IBM @server iSeries™ |
| IBM WebSphere Host Access Transformation Services | Quickly transform 3270 and 5250 applications for the Web |
| IBM WebSphere Studio Application Developer Integration Edition | Build service-oriented applications that extend and integrate your existing information technology (IT) assets with a composite application development environment |
| IBM WebSphere Studio Device Developer | Develop embedded software with a Java 2 Micro Edition (J2ME™) application development environment |
| IBM WebSphere Studio Enterprise Developer | Support a mixed workload environment for IBM z/OS® development, including J2EE, COBOL and PL/1 |
| Toolkits for IBM WebSphere Studio <ul style="list-style-type: none">• Embedded Voice Toolkit• Everyplace Toolkit• Micro Environment Toolkit• Multimodal Toolkit• Voice Toolkit | <ul style="list-style-type: none">• Build speech recognition and text-to-speech capabilities in embedded applications• Extend enterprise applications to mobile devices• Provide runtime support for pervasive devices and operating systems, including Linux, Windows CE and Palm OS• Enable multiple modes, such as voice and stylus, in the same interaction• Build and deploy voice, call center and telephony-integrated applications |

Software Quality

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| IBM DB2 Test Database Generator | Rapidly produce test data that reflects real-world conditions |
| IBM Rational Functional Tester Extension for Terminal-based Applications | Add support for testing 3270 and 5250 terminal-based applications to Rational Functional Tester |
| IBM Rational Functional Tester | Optimize defect discovery through test automation for complex Java, VS.NET Winform and Web-based applications |
| IBM Rational Manual Tester | Perform more frequent, efficient manual tests |
| IBM Rational Performance Tester | Verify Web application performance, scalability and reliability under high multi-user loads |
| IBM Rational PurifyPlus™ | Increase unit testing and debugging effectiveness with runtime error detection, bottleneck discovery and code coverage analysis |
| IBM Rational Robot | Automate functional testing of multi-tier client/server applications |
| IBM Rational Rose XDE Developer family | Perform model-driven development and runtime analysis within your Eclipse, IBM WebSphere Studio or Microsoft Visual Studio® development environment |
| IBM Rational Test RealTime | Perform component testing and runtime analysis for applications targeting embedded and other real-time environments |

Software Configuration Management

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| IBM Rational ClearCase® family | Manage software assets with comprehensive version control, workspace management, and build and release management |
| IBM Rational ClearQuest® family | Manage all types of change requests, including defects and enhancements, with an automated workflow process |
| IBM z/OS SCLM Suite | Enable software configuration management for mainframe applications development |

Deployment Management

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| IBM DB2 UDB Administration Tools | Manage tasks that keep DB2 performing at peak levels |
| IBM Fault Analyzer for z/OS and OS/390® | Assist in the identification and correction of enterprise application failure |
| IBM Tivoli® Access Manager for e-business | Provide end-to-end security for e-business, including Web single sign-on, Web-based administration and policy-based security |
| IBM Tivoli Configuration Manager | Automatically provision and update your test and deployment environment |
| IBM Tivoli Enterprise Console | Provides automated problem diagnosis and resolution to improve system performance and reduce support costs |
| IBM Tivoli Monitoring (Network Performance, Messaging and Collaboration, Web Infrastructure, Databases) | Monitor essential system resources to detect bottlenecks and potential problems, and to recover automatically from critical situations |
| IBM Tivoli Identity Manager | Centrally coordinate the creation, approval and provisioning of user accounts |
| IBM Tivoli Privacy Manager for e-business | Protect consumer trust by implementing privacy policies which guard consumer information |
| IBM Tivoli Provisioning Manager | Automatically provision and update your test and deployment environment |
| IBM WebSphere Studio Application Monitor | Provide runtime performance monitoring and analysis for J2EE applications spanning mainframe and distributed platforms |

Process and Project Management

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| IBM Lotus Domino | Rapidly build collaborative applications and messaging solutions with a security-rich, scalable and easy-to-use platform |
| IBM Lotus Notes® | Provide a robust platform for collaborative applications with enterprise-class messaging, calendaring and scheduling, and instant messaging capabilities |
| IBM Rational Professional Bundle | Get all the desktop tools your enterprise needs to design, construct and test J2EE/Portal/Service-oriented applications |
| IBM Rational SUMMIT® Ascendant | Plan and manage enterprise IT projects and programs with a library of methods and Web-based tools for planning, estimating and monitoring |
| IBM Rational Team Unifying Platform™ | Provide core infrastructure including life-cycle process guidance, requirements management, version control, defect and change tracking, test management, project measurement and reporting |
| IBM Rational Unified Process® | Adopt a flexible development process that can be configured to your team and technology needs |

Accelerate success with IBM Software Services

The IBM Software Services teams are dedicated to helping organizations improve their software development capability and accelerate project success. Our services encompass worldwide consulting, deployment and customer support along with a wealth of knowledge and training resources.

For more information

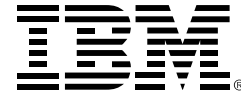
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